

# Table of Contents

## International Journal of Open Source Software and Processes

Volume 10 • Issue 1 • January-March-2019 • ISSN: 1942-3926 • eISSN: 1942-3934

*An official publication of the Information Resources Management Association*

### Research Articles

- 1      **Predicting the Severity of Open Source Bug Reports Using Unsupervised and Supervised Techniques**  
Pushpalatha M N, Ramaiah Institute of Technology, Bengaluru, India  
Mrunalini M, Ramaiah Institute of Technology, Bengaluru, India
  
- 16     **Using Design of Experiments to Analyze Open Source Software Metrics for Change Impact Estimation**  
Miloud Dahane, Université Oran1, Oran, Algeria  
Mustapha Kamel Abdi, Université Oran1, Oran, Algeria  
Mourad Bouneffa, Université du Littoral Côte d'Opale, Dunkirk, France  
Adeel Ahmad, Laboratoire d'Informatique Signal et Image de la Côte d'Opale, Calais, France  
Henri Basson, Université du Littoral Côte d'Opale, Dunkirk, France
  
- 34     **Reliability of ROS Networked Mobile Robots**  
Petri Tapani Oksa, Tampere University of Technology, Tampere, Finland  
Tarmo Lipping, Tampere University of Technology, Tampere, Finland
  
- 49     **An Open Source Software: Q-GIS Based Analysis for Solar Potential of Sikkim (India)**  
Dipanjan Ghose, Sikkim Manipal Institute of Technology, Sikkim Manipal University, East Sikkim, India  
Sreejita Naskar, Sikkim Manipal Institute of Technology, Sikkim Manipal University, East Sikkim, India  
Shabbiruddin, Sikkim Manipal Institute of Technology, Sikkim Manipal University, East Sikkim, India  
Amit Kumar Roy, Sikkim Manipal Institute of Technology, Sikkim Manipal University, East Sikkim, India

### COPYRIGHT

The **International Journal of Open Source Software and Processes (IJOSSP)** (ISSN 1942-3926; eISSN 1942-3934), Copyright © 2019 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

The *International Journal of Open Source Software and Processes* is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; DBLP; GetCited; Google Scholar; INSPEC; JournalTOCs; MediaFinder; Norwegian Social Science Data Services (NSD); SCOPUS; The Index of Information Systems Journals; The Standard Periodical Directory; Ulrich's Periodicals Directory